



Reissue #1
03/10/11

Technical Report for

GEI Consultants, Inc.

Canton Airport Canton MA

09382-2

Accutest Job Number: M91651T

Sampling Date: 05/24/10

Report to:

GEI Consultants, Inc.

LLombardo@geiconsultants.com

ATTN: Leslie Lombardo

Total number of pages in report: 28



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Fand
Reza Fand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.



August 16, 2010

Mr. Raymond Siegener, Ph.D.
GEI Consultants
400 Unicorn Park Drive
Woburn, MA 01801-1970

RE: Accutest Job M91651T (Revision 1)

Dear Mr. Siegener:

The final report for Accutest job number M91651T has been revised to include a case narrative description of the client-requested dilution of the samples M91651-111T and M91651-112T.

Sincerely,

A handwritten signature in black ink, appearing to be "Mark Warren", with a long horizontal line extending to the right.

Mark Warren
Accutest Laboratories of New England, Inc.

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Sample Summary

GEI Consultants, Inc.

Job No: M91651T

Canton Airport Canton MA
Project No: 09382-2

Sample Number	Collected		Time By	Received	Matrix		Client Sample ID
	Date				Code	Type	
M91651-111T	05/24/10	13:39	SSH	05/25/10	SO	Soil	093822-HS-BD.5-6
M91651-112T	05/24/10	13:40	SSH	05/25/10	SO	Soil	093822-HS-BD.5-7

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: GEI Consultants, Inc.

Job No M91651T

Site: Canton Airport Canton MA

Report Date 8/16/2010 4:35:19 PM

2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 05/24/2010 and were received at Accutest on 05/25/2010 properly preserved, at 2.9 Deg. C and intact. These Samples received an Accutest job number of M91651T. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8082

Matrix: SO

Batch ID: OP22217

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M93324-1MS, M93324-1MSD, OP22217-MSMSD were used as the QC samples indicated.
- Samples M91651-111T and M91651-112T were diluted with Ottawa sand prior to preparation and analysis. 70.92 grams (g) of sand was added to 20.89 g of sample M91651-111T and homogenized thoroughly resulting in a dilution factor of 3.4. 70.86 g of sand was added to a 20.95 g aliquot of sample M91651-112T and homogenized thoroughly resulting in a dilution factor of 3.4

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M91651T).

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-BD.5-6	Date Sampled:	05/24/10
Lab Sample ID:	M91651-111T	Date Received:	05/25/10
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8082 SW846 3540C		
Project:	Canton Airport Canton MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ59166.D	1	08/07/10	CZ	08/05/10	OP22217	GYZ2524
Run #2	YZ59197.D	10	08/09/10	CZ	08/05/10	OP22217	GYZ2525

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	120	ug/kg	
11104-28-2	Aroclor 1221	ND	120	ug/kg	
11141-16-5	Aroclor 1232	ND	120	ug/kg	
53469-21-9	Aroclor 1242	ND	120	ug/kg	
12672-29-6	Aroclor 1248	ND	120	ug/kg	
11097-69-1	Aroclor 1254	ND	120	ug/kg	
11096-82-5	Aroclor 1260	5140 ^a	1200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%	108%	30-150%
877-09-8	Tetrachloro-m-xylene	120%	102%	30-150%
2051-24-3	Decachlorobiphenyl	117%	116%	30-150%
2051-24-3	Decachlorobiphenyl	137%	116%	30-150%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-BD.5-7	Date Sampled:	05/24/10
Lab Sample ID:	M91651-112T	Date Received:	05/25/10
Matrix:	SO - Soil	Percent Solids:	79.4
Method:	SW846 8082 SW846 3540C		
Project:	Canton Airport Canton MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ59167.D	1	08/08/10	CZ	08/05/10	OP22217	GYZ2524
Run #2	YZ59198.D	10	08/09/10	CZ	08/05/10	OP22217	GYZ2525

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	120	ug/kg	
11104-28-2	Aroclor 1221	ND	120	ug/kg	
11141-16-5	Aroclor 1232	ND	120	ug/kg	
53469-21-9	Aroclor 1242	ND	120	ug/kg	
12672-29-6	Aroclor 1248	ND	120	ug/kg	
11097-69-1	Aroclor 1254	ND	120	ug/kg	
11096-82-5	Aroclor 1260	4950 ^a	1200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%	111%	30-150%
877-09-8	Tetrachloro-m-xylene	120%	106%	30-150%
2051-24-3	Decachlorobiphenyl	119%	118%	30-150%
2051-24-3	Decachlorobiphenyl	140%	117%	30-150%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:


- Certification Exceptions
- Parameter Certifications (MA)
- Chain of Custody
- MCP Form
- Sample Tracking Chronicle

Chain-of-Custody Record				Laboratory: Accutest		Laboratory Job # M91651 T	
GEI Consultants 400 Unicorn Park Drive Woburn, MA 01801 PH: 781.721.4000 FX: 781.721.4073				Project Information			
				Project Name: Canton Airport		Project Location: Canton, MA	
				Project Number: 09382-2		Project Manager: Anne Leifer	
				Send Report to: Ray Siegner			
Send EDD to: labdata@geiconsultants.com							
MCP PRESUMPTIVE CERTAINTY REQUIRED: YES NO If Yes, Are MCP Analytical Methods Required? YES NO NA If Yes, Are Drinking Water Samples Submitted? YES NO NA If Yes, Have You Met Minimum Field QC Requirements? YES NO NA				PCBs by manual soxlet extraction		Preservation YES NO	
						Analysis YES NO	
						Sample Handling Samples Field Filtered YES NO NA Sample Shipped With Ice YES NO	
						Sample Storage/Remarks	
	Sample ID	Sample Description	Collection Date	Time	Location	Depth	Remarks
-1	093822-HS-DUP-6		5/24/2010	1200	SO	1	SSH
-2	093822-HS-DUP-7		5/24/2010	1201	SO	1	SSH
-3	093822-HS-DUP-8		5/24/2010	1202	SO	1	SSH
-4	093822-HS-DUP-9		5/24/2010	1203	SO	1	SSH
-5	093822-HS-DUP-10		5/24/2010	1204	SO	1	SSH
-6	093822-HS-AS-5-16.5		5/24/2010	1200	SO	1	SSH
-7	093822-HS-AT-5-16.5		5/24/2010	1201	SO	1	SSH
-8	093822-HS-AU-5-16.5		5/24/2010	1202	SO	1	SSH
-9	093822-HS-AV-5-16.5		5/24/2010	1203	SO	1	SSH
-10	093822-HS-AW-5-16.5		5/24/2010	1204	SO	1	SSH
-11	093822-HS-AS-5-17.5		5/24/2010	1205	SO	1	SSH
-12	093822-HS-AT-5-17.5		5/24/2010	1206	SO	1	SSH
MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analyses whenever possible.							
Relinquished by sampler (signature)		Date	Time	Received by (signature)		Turnaround Time (Business days)	
1. K. Wolfe		5/25/10	0800	1. GEI Fridge		Normal <input checked="" type="checkbox"/> Other <input type="checkbox"/>	
2. GEI Fridge		5/25/10	1245	2. Ray Siegner		10-Day <input type="checkbox"/> 7-Day <input type="checkbox"/>	
3. Ray Siegner		5/25/10	1245	3. Will Wall		5-Day <input type="checkbox"/> 3-Day <input type="checkbox"/>	
4. Will Wall		5/25/10	1515	4. Will Wall			
Additional Requirements/Comments/Remarks: MANUAL SOXLET EXTRACTION REQUIRED. DCR RATES APPLY. 1-2.0 CAUTION- POTENTIAL ELEVATED PCBs. 1-2.1 Samples were collected on 5/24/10. Individual sample labels say 5/25/10 and are incorrect.							

5/25/2010
C:\Documents and Settings\kwolfe\Desktop\Canton COC 5-24-10.xls


M91651T: Chain of Custody

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Chain-of-Custody Record				Laboratory: Accutest		Laboratory Job # M91651																																																																																																																																			
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Description</th> <th>Date</th> <th>Time</th> <th>Matrix</th> <th>SO</th> <th>SSH</th> <th>PCBs by manual soxlet extraction</th> <th>Analysis</th> <th>Sample Handling</th> </tr> </thead> <tbody> <tr><td>-13</td><td>093822-HS-AU.5-17.5</td><td>5/24/2010</td><td>1207</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td>Hold/freeze</td></tr> <tr><td>-14</td><td>093822-HS-AV.5-17.5</td><td>5/24/2010</td><td>1208</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td>Hold/freeze</td></tr> <tr><td>-15</td><td>093822-HS-AS.5-18.5</td><td>5/24/2010</td><td>1209</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td>Hold/freeze</td></tr> <tr><td>-16</td><td>093822-HS-AT.5-18.5</td><td>5/24/2010</td><td>1210</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td>Hold/freeze</td></tr> <tr><td>-17</td><td>093822-HS-AU.5-18.5</td><td>5/24/2010</td><td>1211</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td>Hold/freeze</td></tr> <tr><td>-18</td><td>093822-HS-AS.5-19.5</td><td>5/24/2010</td><td>1212</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td>Hold/freeze</td></tr> <tr><td>-19</td><td>093822-HS-AT.5-19.5</td><td>5/24/2010</td><td>1213</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td></td></tr> <tr><td>-20</td><td>093822-HS-AS.5-20.5</td><td>5/24/2010</td><td>1214</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td></td></tr> <tr><td>-21</td><td>093822-HS-AW.5-16</td><td>5/24/2010</td><td>1215</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td></td></tr> <tr><td>-22</td><td>093822-HS-AV.5-16</td><td>5/24/2010</td><td>1216</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td></td></tr> <tr><td>-23</td><td>093822-HS-AU.5-16</td><td>5/24/2010</td><td>1217</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td></td></tr> <tr><td>-24</td><td>093822-HS-AT.5-16</td><td>5/24/2010</td><td>1218</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td><td></td></tr> </tbody> </table>								Sample ID	Sample Description	Date	Time	Matrix	SO	SSH	PCBs by manual soxlet extraction	Analysis	Sample Handling	-13	093822-HS-AU.5-17.5	5/24/2010	1207	SO	1	SSH	x		Hold/freeze	-14	093822-HS-AV.5-17.5	5/24/2010	1208	SO	1	SSH	x		Hold/freeze	-15	093822-HS-AS.5-18.5	5/24/2010	1209	SO	1	SSH	x		Hold/freeze	-16	093822-HS-AT.5-18.5	5/24/2010	1210	SO	1	SSH	x		Hold/freeze	-17	093822-HS-AU.5-18.5	5/24/2010	1211	SO	1	SSH	x		Hold/freeze	-18	093822-HS-AS.5-19.5	5/24/2010	1212	SO	1	SSH	x		Hold/freeze	-19	093822-HS-AT.5-19.5	5/24/2010	1213	SO	1	SSH	x			-20	093822-HS-AS.5-20.5	5/24/2010	1214	SO	1	SSH	x			-21	093822-HS-AW.5-16	5/24/2010	1215	SO	1	SSH	x			-22	093822-HS-AV.5-16	5/24/2010	1216	SO	1	SSH	x			-23	093822-HS-AU.5-16	5/24/2010	1217	SO	1	SSH	x			-24	093822-HS-AT.5-16	5/24/2010	1218	SO	1	SSH	x		
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-13	093822-HS-AU.5-17.5	5/24/2010	1207	SO	1	SSH	x		Hold/freeze																																																																																																																																
-14	093822-HS-AV.5-17.5	5/24/2010	1208	SO	1	SSH	x		Hold/freeze																																																																																																																																
-15	093822-HS-AS.5-18.5	5/24/2010	1209	SO	1	SSH	x		Hold/freeze																																																																																																																																
-16	093822-HS-AT.5-18.5	5/24/2010	1210	SO	1	SSH	x		Hold/freeze																																																																																																																																
-17	093822-HS-AU.5-18.5	5/24/2010	1211	SO	1	SSH	x		Hold/freeze																																																																																																																																
-18	093822-HS-AS.5-19.5	5/24/2010	1212	SO	1	SSH	x		Hold/freeze																																																																																																																																
-19	093822-HS-AT.5-19.5	5/24/2010	1213	SO	1	SSH	x																																																																																																																																		
-20	093822-HS-AS.5-20.5	5/24/2010	1214	SO	1	SSH	x																																																																																																																																		
-21	093822-HS-AW.5-16	5/24/2010	1215	SO	1	SSH	x																																																																																																																																		
-22	093822-HS-AV.5-16	5/24/2010	1216	SO	1	SSH	x																																																																																																																																		
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Relinquished by (signature): <i>H. Wolfe</i>		Date: 5/25/10	Time: 0800	Received by (signature): <i>GEI Fridge</i>		Turnaround Time (Business days):																																																																																																																																			
Relinquished by (signature): <i>GEI Fridge</i>		Date: 5/25/10	Time: 1245	Received by (signature): <i>Ray Siegner</i>		Normal <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> 5-Day <input type="checkbox"/> Other <input type="checkbox"/> 7-Day <input type="checkbox"/> 3-Day <input type="checkbox"/>																																																																																																																																			
Relinquished by (signature): <i>Ray Siegner</i>		Date: 5/25/10	Time: 1245	Received by (signature): <i>Will Chalk</i>		Additional Requirements/Comments/Remarks:																																																																																																																																			
Relinquished by (signature): <i>Will Chalk</i>		Date: 5/25/10	Time: 1515	Received by (signature): <i>Will Chalk</i>		MANUAL SOXLET EXTRACTION REQUIRED.																																																																																																																																			
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M91651T: Chain of Custody

Page 2 of 12

Chain-of-Custody Record				Laboratory: Accutest		Laboratory Job # M91651		
 <p>GEI Consultants 400 Unicorn Park Drive Woburn, MA 01801 PH: 781.721.4000 FX: 781.721.4073</p>		Project Information						Page 3 of 10
		Project Name: Canton Airport				Project Location: Canton, MA		
		Project Number: 09382-2				Project Manager: Anne Leifer		
		Send Report to: Ray Siegener				Preservative		
Send EDD to: labdata@geiconsultants.com				Analysis				
MCP PRESUMPTIVE CERTAINTY REQUIRED YES <input checked="" type="radio"/> NO <input type="radio"/> If Yes, Are MCP Analytical Methods Required? YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/> If Yes, Are Drinking Water Samples Submitted? YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/> If Yes, Have You Met Minimum Field QC Requirements? YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>				PCBs by manual soxlet extraction				
Lab Sample ID		Collection		Sample(s)		Sample Specific Remarks		
		Date	Time	Matrix	Volume	SSH	Extraction	
-25	093822-HS-AS-5-16	5/24/2010	1219	SO	1	SSH	x	
-26	093822-HS-AS-16.5	5/24/2010	1220	SO	1	SSH	x	
-27	093822-HS-AS-17.5	5/24/2010	1221	SO	1	SSH	x	
-28	093822-HS-AS-18.5	5/24/2010	1222	SO	1	SSH	x	
-29	093822-HS-AS-19.5	5/24/2010	1223	SO	1	SSH	x	
-30	093822-HS-AS-20.5	5/24/2010	1224	SO	1	SSH	x	
-31	093822-HS-AS-5-21	5/24/2010	1601	SO	1	SSH	x	
-32	093822-HS-AV-6-20.5	5/24/2010	1602	SO	1	SSH	x	
-33	093822-HS-AW-5-20.5	5/24/2010	1603	SO	1	SSH	x	
-34	093822-HS-AX-20.5	5/24/2010	1604	SO	1	SSH	x	
-35	093822-HS-AV-5-21	5/24/2010	1605	SO	1	SSH	x	
-36	093822-HS-AW-5-21	5/24/2010	1606	SO	1	SSH	x	
MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.				Turnaround Time (Business days): Normal <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> 5-Day <input type="checkbox"/> Other <input type="checkbox"/> 7-Day <input type="checkbox"/> 3-Day <input type="checkbox"/>		Before submitting rush turnaround samples, you must notify the laboratory to confirm that the TAT can be achieved.		
Relinquished by sampler (signature)		Date	Time	Received by (signature)				
1. <i>[Signature]</i>		5/28/10	0800	1. <i>[Signature]</i>				
Relinquished by (signature)		Date	Time	Received by (signature)				
2. <i>[Signature]</i>		5/28/10	1245	2. <i>[Signature]</i>				
Relinquished by (signature)		Date	Time	Received by (signature)				
3. <i>[Signature]</i>		5/28/10	1245	3. <i>[Signature]</i>				
Relinquished by (signature)		Date	Time	Received by (signature)				
4. <i>[Signature]</i>		5/28/10	1515	4. <i>[Signature]</i>				
Additional Requirements/Comments/Remarks: MANUAL SOXLET EXTRACTION REQUIRED. DCR RATES APPLY. CAUTION- POTENTIAL ELEVATED PCBS. Samples were collected on 5/24/10. Individual sample labels say 5/25/10 and are incorrect.								


5/25/2010
C:\Documents and Settings\kwolfe\Desktop\Canton COC 5-24-10.xls

M91651T: Chain of Custody
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Chain-of-Custody Record				Laboratory: Accutest				Laboratory Job # M91651																																																																																																																																																																												
GEI Consultants 400 Unicorn Park Drive Woburn, MA 01801 PH: 781.721.4000 FX: 781.721.4073				Project Information								Page 4 of 10																																																																																																																																																																								
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5/25/2010
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M91651T: Chain of Custody
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Chain-of-Custody Record				Laboratory: Accutest		Laboratory Job # M91651	
Project Information							
Project Name: Canton Airport				Project Location: Canton, MA			
Project Number: 09382-2				Project Manager: Anne Leifer			
Send Report to: Ray Siegner				Preservative			
Send EDD to: labdata@geiconsultants.com				Analysis			
MCP PRESUMPTIVE CERTAINTY REQUIRED - YES NO				PCBs by manual soxlet extraction			
If Yes, Are MCP Analytical Methods Required? YES NO NA							
If Yes, Are Drinking Water Samples Submitted? YES NO NA							
If Yes, Have You Met Minimum Field QC Requirements? YES NO NA							
Lab Sample Number	GEI Sample ID	Date	Time	Matrix	No. of Batches	Sample(s) Volume	Sample Handling
-61	093822-HS-BB-3	5/24/2010	1249	SO	1	SSH	YES <input checked="" type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-62	093822-HS-BC-3	5/24/2010	1250	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-63	093822-HS-AV-4	5/24/2010	1251	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-64	093822-HS-AW-4	5/24/2010	1252	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-65	093822-HS-AX-4	5/24/2010	1253	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-66	093822-HS-AY-4	5/24/2010	1254	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-67	093822-HS-AZ-4	5/24/2010	1255	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-68	093822-HS-BA-4	5/24/2010	1256	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-69	093822-HS-BB-4	5/24/2010	1257	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-70	093822-HS-BC-4	5/24/2010	1258	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-71	093822-HS-AV-5	5/24/2010	1259	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
-72	093822-HS-AW-5	5/24/2010	1300	SO	1	SSH	YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>
MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.				Turnaround Time (Business days):		Before submitting rush turnaround samples, you must notify the laboratory to confirm that the TAT can be achieved.	
Relinquished by (signature)		Date	Time	Received by (signature)		Normal <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> 5-Day <input type="checkbox"/> Other <input type="checkbox"/> 7-Day <input type="checkbox"/> 3-Day <input type="checkbox"/>	
1. <i>R. Wolfe</i>		5/27/10	0800	1. <i>GEI Fridge</i>			
Relinquished by (signature)		Date	Time	Received by (signature)			
2. <i>GEI Fridge</i>		5/28/10	1245	2. <i>Ray Siegner</i>			
Relinquished by (signature)		Date	Time	Received by (signature)			
3. <i>Ray Siegner</i>		5/28/10	1245	3. <i>Will Dell</i>			
Relinquished by (signature)		Date	Time	Received by (signature)			
4. <i>Will Dell</i>		5/28/10	1515	4. <i>Will Dell</i>			
Additional Requirements/Comments/Remarks							
MANUAL SOXLET EXTRACTION REQUIRED.							
DCR RATES APPLY.							
CAUTION: POTENTIAL ELEVATED PCBs.							
Samples were collected on 5/24/10. Individual sample labels say 5/25/10 and are incorrect.							

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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Let's Sample Number</th> <th>GEI Sample ID</th> <th colspan="2">Collection</th> <th>Matrix</th> <th>No. of Bottles</th> <th>Sample(s) Initials</th> <th>PCBs by manual soxhlet extraction</th> <th>Soxhlet Specimen Remarks</th> </tr> <tr> <th></th> <th></th> <th>Date</th> <th>Time</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>-72</td><td>093822-HS-AX-5</td><td>5/24/2010</td><td>1301</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td>hold/freeze</td></tr> <tr><td>-74</td><td>093822-HS-AY-5</td><td>5/24/2010</td><td>1302</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> <tr><td>-75</td><td>093822-HS-AZ-5</td><td>5/24/2010</td><td>1303</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> <tr><td>-76</td><td>093822-HS-BA-5</td><td>5/24/2010</td><td>1304</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> <tr><td>-77</td><td>093822-HS-BB-5</td><td>5/24/2010</td><td>1305</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> <tr><td>-78</td><td>093822-HS-AZ-6</td><td>5/24/2010</td><td>1306</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> <tr><td>-79</td><td>093822-HS-BA-6</td><td>5/24/2010</td><td>1307</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td>hold/freeze</td></tr> <tr><td>-80</td><td>093822-HS-BB-6</td><td>5/24/2010</td><td>1308</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> <tr><td>-81</td><td>093822-HS-AZ-7</td><td>5/24/2010</td><td>1309</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td>hold/freeze</td></tr> <tr><td>-82</td><td>093822-HS-BA-7</td><td>5/24/2010</td><td>1310</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> <tr><td>-83</td><td>093822-HS-BB-7</td><td>5/24/2010</td><td>1311</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td>hold/freeze</td></tr> <tr><td>-84</td><td>093822-HS-BC-5</td><td>5/24/2010</td><td>1312</td><td>SO</td><td>1</td><td>SSH</td><td>x</td><td></td></tr> </tbody> </table>		Let's Sample Number	GEI Sample ID			Collection		Matrix	No. of Bottles	Sample(s) Initials	PCBs by manual soxhlet extraction	Soxhlet Specimen Remarks			Date	Time						-72	093822-HS-AX-5	5/24/2010	1301	SO	1	SSH	x	hold/freeze	-74	093822-HS-AY-5	5/24/2010	1302	SO	1	SSH	x		-75	093822-HS-AZ-5	5/24/2010	1303	SO	1	SSH	x		-76	093822-HS-BA-5	5/24/2010	1304	SO	1	SSH	x		-77	093822-HS-BB-5	5/24/2010	1305	SO	1	SSH	x		-78	093822-HS-AZ-6	5/24/2010	1306	SO	1	SSH	x		-79	093822-HS-BA-6	5/24/2010	1307	SO	1	SSH	x	hold/freeze	-80	093822-HS-BB-6	5/24/2010	1308	SO	1	SSH	x		-81	093822-HS-AZ-7	5/24/2010	1309	SO	1	SSH	x	hold/freeze	-82	093822-HS-BA-7	5/24/2010	1310	SO	1	SSH	x		-83	093822-HS-BB-7	5/24/2010	1311	SO	1	SSH	x	hold/freeze	-84	093822-HS-BC-5	5/24/2010	1312	SO	1	SSH	x	
Let's Sample Number	GEI Sample ID	Collection		Matrix	No. of Bottles	Sample(s) Initials	PCBs by manual soxhlet extraction	Soxhlet Specimen Remarks																																																																																																																									
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-75	093822-HS-AZ-5	5/24/2010	1303	SO	1	SSH	x																																																																																																																										
-76	093822-HS-BA-5	5/24/2010	1304	SO	1	SSH	x																																																																																																																										
-77	093822-HS-BB-5	5/24/2010	1305	SO	1	SSH	x																																																																																																																										
-78	093822-HS-AZ-6	5/24/2010	1306	SO	1	SSH	x																																																																																																																										
-79	093822-HS-BA-6	5/24/2010	1307	SO	1	SSH	x	hold/freeze																																																																																																																									
-80	093822-HS-BB-6	5/24/2010	1308	SO	1	SSH	x																																																																																																																										
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MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.				Turnaround Time (Business days): Normal <input checked="" type="checkbox"/> X Other _____ 10-Day _____ 7-Day _____ 5-Day _____ 3-Day _____		Before submitting rush turnaround samples, you must notify the laboratory to confirm that the TAT can be achieved.																																																																																																																											
Relinquished by (signature) Date: Time: Received by (signature) 1. <i>[Signature]</i> 5/29/10 0800 1. <i>GE Frider</i> Relinquished by (signature) Date: Time: Received by (signature) 2. <i>GEI Frider</i> 5/25/10 1245 2. <i>Ray Siegen</i> Relinquished by (signature) Date: Time: Received by (signature) 3. <i>Ray Siegen</i> 5/25/10 1245 3. <i>well hall</i> Relinquished by (signature) Date: Time: Received by (signature) 4. <i>well hall</i> 5/25/10 1516 4. <i>well hall</i>				Additional Requirements/Comments/Remarks: MANUAL SOXLET EXTRACTION REQUIRED. BGR-RATES APPLY. CAUTION- POTENTIAL ELEVATED PCBs. Samples were collected on 5/24/10. Individual sample labels say 5/25/10 and are incorrect.																																																																																																																													

M91651T: Chain of Custody

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Chain-of-Custody Record				Laboratory: Accutest		Laboratory Job # M91651 <small>(Lab use only)</small>					
Project Information											
Project Name: Canton Airport				Project Location: Canton, MA							
Project Number: 09382-2				Project Manager: Anne Leifer							
Send Report to: Ray Siegner				Preservative							
Send EDD to: labdata@geiconsultants.com				Analysis							
MCP PRESUMPTIVE CERTAINTY REQUIRED - YES NO If Yes, Are MCP Analytical Methods Required? YES NO NA If Yes, Are Drinking Water Samples Submitted? YES NO NA If Yes, Have You Met Minimum Field QC Requirements? YES NO NA				Sample Handling Samples Field Filtered YES NO NA Samples Shipped With Ice YES NO							
				Samples Specific Remarks hold freeze							
Lab Sample Number -85 -86 -87 -88 -89 -90 -91 -92 -93 -94 -95 -96		GEI Sample ID 093822-HS-BD-3 093822-HS-BD-4 093822-HS-BD-5-2 093822-HS-BD-5-1 093822-HS-BD-0.5 093822-HS-BB-0.5 093822-HS-BA-0.5 093822-HS-AZ-0.5 093822-HS-AY-0.5 093822-HS-AX-0.5 093822-HS-AW-0.5		Collection Date Time Matrix 5/24/2010 1313 SO 5/24/2010 1314 SO 5/24/2010 1315 SO 5/24/2010 1316 SO 5/24/2010 1317 SO 5/24/2010 1318 SO 5/24/2010 1319 SO 5/24/2010 1320 SO 5/24/2010 1321 SO 5/24/2010 1322 SO 5/24/2010 1323 SO 5/24/2010 1324 SO		No. of Bottles 1 1 1 1 1 1 1 1 1 1 1 1 1		Sample (a) Initials SSH SSH SSH SSH SSH SSH SSH SSH SSH SSH SSH SSH SSH		PCBs by manual soxlet extraction x x x x x x x x x x x x x	
MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.											
Relinquished by sampler (signature) 1. K. Wolfe		Date: 5/24/10 Time: 0800		Received by (signature) 1. G. Bridge		Turnaround Time (Business days): Normal <input checked="" type="checkbox"/> Other _____ 10-Day _____ 7-Day _____ 5-Day _____ 3-Day _____					
Relinquished by (signature) 2. GE Fudge		Date: 5/24/10 Time: 1245		Received by (signature) 2. Ray Siegner		Additional Requirements/Comments/Remarks: MANUAL SOXLET EXTRACTION REQUIRED. PCR RATES APPLY. CAUTION- POTENTIAL ELEVATED PCBs. Samples were collected on 5/24/10. Individual sample labels say 5/23/10 and are incorrect.					
Relinquished by (signature) 3. Ray Siegner		Date: 5/25/10 Time: 1245		Received by (signature) 3. [Signature]							
Relinquished by (signature) 4. [Signature]		Date: 5/25/10 Time: 1616		Received by (signature) 4. [Signature]							

5/25/2010
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M91651T: Chain of Custody

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Chain-of-Custody Record				Laboratory: Accutest		Laboratory Job # M91651				
GEI Consultants 400 Unicorn Park Drive Woburn, MA 01801 PH: 781.721.4000 FX: 781.721.4073				Project Information				Page 9 of 10		
				Project Name: Canton Airport			Project Location: Canton, MA			
				Project Number: 09382-2			Project Manager: Anne Leifer			
				Send Report to: Ray Siegner			Preservative			
Send EDD to: labdata@geiconsultants.com				Analysis			Sample Handling Samples Field Filtered YES <input type="radio"/> NO <input type="radio"/> NA Sampled Shipped With Ice YES <input type="radio"/> NO <input type="radio"/>			
MCP PRESUMPTIVE CERTAINTY REQUIRED -- YES <input checked="" type="radio"/> NO <input type="radio"/>				PCBs by manual soxlet extraction						
If Yes, Are MCP Analytical Methods Required? YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/> If Yes, Are Drinking Water Samples Submitted? YES <input type="radio"/> NO <input checked="" type="radio"/> NA <input type="radio"/> If Yes, Have You Met Minimum Field QC Requirements? YES <input type="radio"/> NO <input type="radio"/> NA <input type="radio"/>										
Lab Sample Number	GEI Sample ID	Collection Date	Time	Matrix	No. of Bottles	Sampler(s) Initials	Sample Specific Remarks			
-97	093822-HS-AV-0.5	5/24/2010	1325	SO	1	SSH				
-98	093822-HS-AU.5-1	5/24/2010	1326	SO	1	SSH				
-99	093822-HS-AU.5-2	5/24/2010	1327	SO	1	SSH				
-100	093822-HS-AU.5-3	5/24/2010	1328	SO	1	SSH				
-101	093822-HS-AU.5-4	5/24/2010	1329	SO	1	SSH				
-102	093822-HS-AU.5-5	5/24/2010	1330	SO	1	SSH				
-103	093822-HS-AV.5.5	5/24/2010	1331	SO	1	SSH				
-104	093822-HS-AW.5.5	5/24/2010	1332	SO	1	SSH				
-105	093822-HS-AX.5.5	5/24/2010	1333	SO	1	SSH				
-106	093822-HS-AY.5.5	5/24/2010	1334	SO	1	SSH				
-107	093822-HS-AY.5-6	5/24/2010	1335	SO	1	SSH				
-108	093822-HS-AY.5-7	5/24/2010	1336	SO	1	SSH				
MCP Level Needed: GEI requires the most stringent Method 1 MCP standard be met for all analytes whenever possible.				Turnaround Time (Business days): Normal <input checked="" type="checkbox"/> 10-Day <input type="checkbox"/> 5-Day <input type="checkbox"/> Other <input type="checkbox"/> 7-Day <input type="checkbox"/> 3-Day <input type="checkbox"/>		Before submitting rush turnaround samples, you must notify the laboratory to confirm that the TAT can be achieved.				
Relinquished by (signature)		Date	Time	Received by (signature)						
1. <i>H. Wolfe</i>		5/25/10	0800	1. <i>G. Fridge</i>		Additional Requirements/Comments/Remarks: MANUAL SOXLET EXTRACTION REQUIRED. DCR RATES APPLY. CAUTION- POTENTIAL ELEVATED PCBs. Samples were collected on 5/24/10. Individual sample labels say 5/25/10 and are incorrect.				
Relinquished by (signature)		Date	Time	Received by (signature)						
2. <i>G. Fridge</i>		5/25/10	1245	2. <i>R. Siegner</i>						
Relinquished by (signature)		Date	Time	Received by (signature)						
3. <i>R. Siegner</i>		5/25/10	1245	3. <i>Willard</i>						
Relinquished by (signature)		Date	Time	Received by (signature)						
4. <i>Willard</i>		5/25/10	1515	4. <i>Willard</i>						

5/25/2010
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M91651T: Chain of Custody
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C:\Documents and Settings\kwolfe\Desktop\Canton COC 5-24-10.xls

M91651T

Tyana Nguyen

From: Mark Warren
Sent: Monday, August 02, 2010 3:41 PM
To: Tyana Nguyen
Subject: FW: Comparability Study

Hi Tyana,

Would you enter these re-log projects for me? You can use an "R" job or "T" job as some of these projects already have "R" jobs. Thanks,

Mark Warren
 Accutest Laboratories of NE
 Voice: 508.481.6200 Ext. 247
 Fax: 508.481.7753
 markw@accutest.com

Accutest - "The national Testing Laboratory with Total Performance you can count on"

From: Mark Warren
Sent: Monday, August 02, 2010 2:19 PM
To: Kristen Blanchard
Subject: FW: Comparability Study

Kristen,

I need to talk to you briefly about this. Thanks,

Mark Warren
 Accutest Laboratories of NE
 Voice: 508.481.6200 Ext. 247
 Fax: 508.481.7753
 markw@accutest.com

Accutest - "The national Testing Laboratory with Total Performance you can count on"

From: Siegner, Ray [mailto:RSiegner@geiconsultants.com]
Sent: Wednesday, July 28, 2010 3:45 PM
To: Mark Warren; Frank D'Agostino; Reza Tand
Cc: Haley, Heather; Oosting, Saskia; Leifer, Anne
Subject: Comparability Study

Hi Mark-

As we discussed, we still need to perform some additional work to get this comparability study completed. The table below has two sections - the top contains two samples that were close to the 1 ppm standard when analyzed initially. We would like you to reextract (using Method 3540C) and reanalyze these samples with no dilution to see if we get results within the windows we need to hit (0.90 ppm - 1.0 ppm or 1.0 ppm - 1.10 ppm).

For the second set of 4 samples, we have included the initial result and the recommended dilution we would like you to perform, prior to extraction, to obtain sample results within the ranges listed above. As we discussed,

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M91651T: Chain of Custody
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you can use clean sand to dilute these samples prior to extraction by Method 3540C – please prepare enough of the diluted samples so there is material remaining for extraction using Method 3545, if we are successful. We will need to review the results before proceeding with Method 3545 extractions.

We will need results by August 12 for the Method 3540C samples (2-week TAT). Please give me a call if you have any questions.


Accutest ID	GEI ID	Initial Conc. (PPM)	Dilution	Matrix	Sample Date	Sample Depth (in.)
M91579-102	HS-AT 5-8	1.23	NA	Sand	5/20/2010	0-6
M91909-28	B213(0.5 -2)	1.33	NA	Sand	6/2/2010	6-24
M91579-62	HS-AI-10.5	12.7	13X	Sand	5/20/2010	0-6
M91081-9	CS-RWA104	2.4	2.5X	Sand	4/30/2010	6
M91651-111	HS-BD5.6	3.4	3.5X	Sand	5/24/2010	0-6
M91651-112	HS-BD5.7	3.4	3.5X	Sand	5/25/2010	0-6

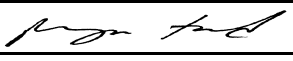
Regards,
Ray

Raymond Siegner, Ph.D.
Project Environmental Scientist
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
Office: 781-721-4098
Cell: 339-227-3342
www.geiconsultants.com

CONFIDENTIALITY NOTICE The information in this transmittal (including attachments, if any) may be privileged and confidential and is intended only for the recipient(s) listed above. Any review, use, disclosure, distribution or copying of this transmittal, in any form, is prohibited except by or on behalf of the intended recipient. If you have received this transmittal in error, please notify me immediately by reply email and destroy all copies of the transmittal.

8/2/2010

	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC-CAM	Exhibit VII A-1
		21 May 2004	Revision No. 3.2
		Final	Page 10 of 32
Title: MADEP MCP Response Action Analytical Report Certification Form			

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: <u>Accutest Laboratories of New England</u>			Project #: <u>M91651T</u>		
Project Location: <u>Canton Airport Canton MA</u>			MADEP RTN	None	
This form provides certifications for the following data set: M91651-111T, M91651-112T					
Sample Matrices: Groundwater Soil/Sediment X Drinking Water () Other: () ()					
MCP SW-846 Methods Used As specified in MADEP Compendium of Analytical Methods. (Check all that apply)	8260B ()	8151A ()	8330 ()	6010B ()	7470A/1A ()
	8270C ()	8081A ()	VPH ()	6020 ()	9014M ² ()
	8082 (X)	8021B ()	EPH ()	7000 S ³ ()	7196A ()
1 List Release Tracking Number (RTN), if known 2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S - SW-846 Methods 7000 Series List Individual method and analyte					
An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?			<input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No ¹
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?			<input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No ¹
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?			<input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No ¹
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?			<input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No ¹
A response to questions E and F below is required for "Presumptive Certainty" status					
E	Were all QC performance standards and recommendations for the specified methods achieved?			<input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No ¹
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?			<input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No ¹
¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.					
<i>I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</i>					
Signature: 			Position: <u>Laboratory Director</u>		
Printed Name: <u>Reza Tand</u>			Date: <u>08/12/2010</u>		

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M91651T

Canton Airport Canton MA
Project No: 09382-2

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M91651-111TCollected: 24-MAY-10 13:39 By: SSH Received: 25-MAY-10 By: JB 093822-HS-BD.5-6						
M91651-111T	SW846 8082	07-AUG-10 23:43	CZ	05-AUG-10 BJ		P8082SOXHLET
M91651-111T	SW846 8082	09-AUG-10 18:04	CZ	05-AUG-10 BJ		P8082SOXHLET
M91651-112TCollected: 24-MAY-10 13:40 By: SSH Received: 25-MAY-10 By: JB 093822-HS-BD.5-7						
M91651-112T	SW846 8082	08-AUG-10 00:05	CZ	05-AUG-10 BJ		P8082SOXHLET
M91651-112T	SW846 8082	09-AUG-10 18:26	CZ	05-AUG-10 BJ		P8082SOXHLET

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

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Job Number: M91651T
Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22217-MB	YZ59159.D	1	08/07/10	CZ	08/05/10	OP22217	GYZ2524

The QC reported here applies to the following samples:

Method: SW846 8082

M91651-111T, M91651-112T

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	97	ug/kg	
11104-28-2	Aroclor 1221	ND	97	ug/kg	
11141-16-5	Aroclor 1232	ND	97	ug/kg	
53469-21-9	Aroclor 1242	ND	97	ug/kg	
12672-29-6	Aroclor 1248	ND	97	ug/kg	
11097-69-1	Aroclor 1254	ND	97	ug/kg	
11096-82-5	Aroclor 1260	ND	97	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	102% 30-150%
877-09-8	Tetrachloro-m-xylene	110% 30-150%
2051-24-3	Decachlorobiphenyl	101% 30-150%
2051-24-3	Decachlorobiphenyl	126% 30-150%

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: M91651T
Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22217-BS	YZ59160.D	1	08/07/10	CZ	08/05/10	OP22217	GYZ2524
OP22217-BSD	YZ59161.D	1	08/07/10	CZ	08/05/10	OP22217	GYZ2524

The QC reported here applies to the following samples:

Method: SW846 8082

M91651-111T, M91651-112T

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	255	277	109	292	112	5	40-140/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260	255	283	111	303	116	7	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	110%	112%	30-150%
877-09-8	Tetrachloro-m-xylene	118%	118%	30-150%
2051-24-3	Decachlorobiphenyl	109%	114%	30-150%
2051-24-3	Decachlorobiphenyl	134%	139%	30-150%

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: M91651T
Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP22217-MS	YZ59162.D	1	08/07/10	CZ	08/05/10	OP22217	GYZ2524
OP22217-MSD	YZ59163.D	1	08/07/10	CZ	08/05/10	OP22217	GYZ2524
M93324-1	YZ59164.D	1	08/07/10	CZ	08/05/10	OP22217	GYZ2524

The QC reported here applies to the following samples:

Method: SW846 8082

M91651-111T, M91651-112T

CAS No.	Compound	M93324-1		Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
		ug/kg	Q							
12674-11-2	Aroclor 1016	ND		262	285	109	277	105	3	40-140/50
11104-28-2	Aroclor 1221	ND			ND		ND	nc	40-140/50	
11141-16-5	Aroclor 1232	ND			ND		ND	nc	40-140/50	
53469-21-9	Aroclor 1242	ND			ND		ND	nc	40-140/50	
12672-29-6	Aroclor 1248	ND			ND		ND	nc	40-140/50	
11097-69-1	Aroclor 1254	ND			ND		ND	nc	40-140/50	
11096-82-5	Aroclor 1260	ND		262	321	122	308	117	4	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	M93324-1	Limits
877-09-8	Tetrachloro-m-xylene	114%	108%	109%	30-150%
877-09-8	Tetrachloro-m-xylene	121%	111%	118%	30-150%
2051-24-3	Decachlorobiphenyl	127%	118%	117%	30-150%
2051-24-3	Decachlorobiphenyl	126%	123%	124%	30-150%

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: M91651T
Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

Method: SW846 8082 Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
M91651-111T	YZ59166.D	111.0	120.0	117.0	137.0
M91651-111T	YZ59197.D	108.0	102.0	116.0	116.0
M91651-112T	YZ59167.D	113.0	120.0	119.0	140.0
M91651-112T	YZ59198.D	111.0	106.0	118.0	117.0
OP22217-BS	YZ59160.D	110.0	118.0	109.0	134.0
OP22217-BSD	YZ59161.D	112.0	118.0	114.0	139.0
OP22217-MB	YZ59159.D	102.0	110.0	101.0	126.0
OP22217-MS	YZ59162.D	114.0	121.0	127.0	126.0
OP22217-MSD	YZ59163.D	108.0	111.0	118.0	123.0

Surrogate
Compounds

Recovery
Limits

S1 = Tetrachloro-m-xylene 30-150%
S2 = Decachlorobiphenyl 30-150%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

5.4.1

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